

**Calcineurin-Related Transgenic Mammals, Compositions and  
Methods**

**Abstract of the Disclosure**

The present invention provides a transgenic nonhuman mammal  
5 and mammalian cells whose genomes encode a calcineurin  
inhibitor. The expression of the inhibitor is targeted to  
the forebrain and may be induced experimentally. The present  
invention further provides a composition of matter comprising  
the nucleic acid sequences encoding the inhibitor and  
10 additional sequences required for its targeted expression and  
regulation. In addition, the present invention provides  
methods for determining whether an agent inhibits long-term  
potentiation and/or learning and memory in a mammal.